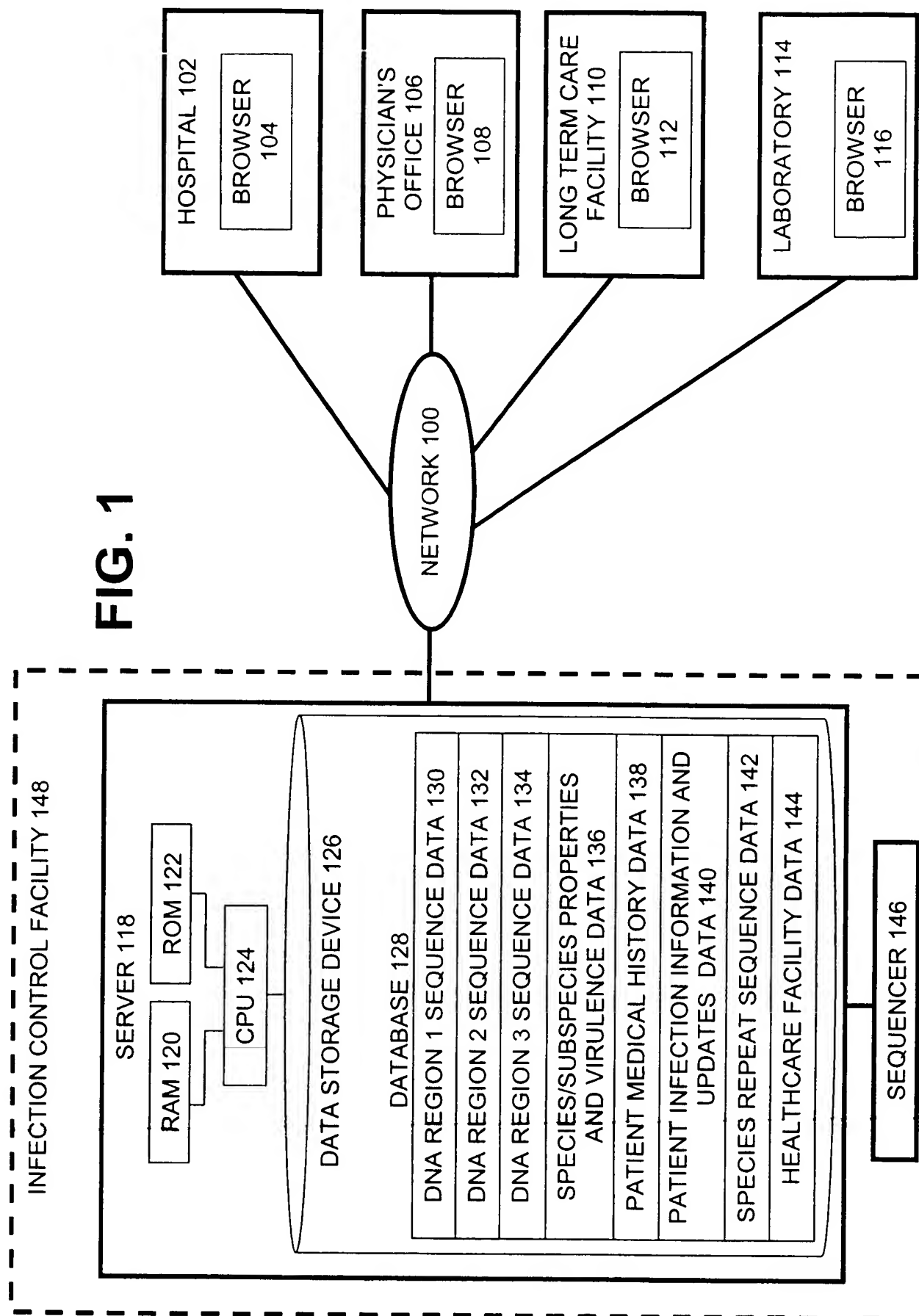


FIG. 1



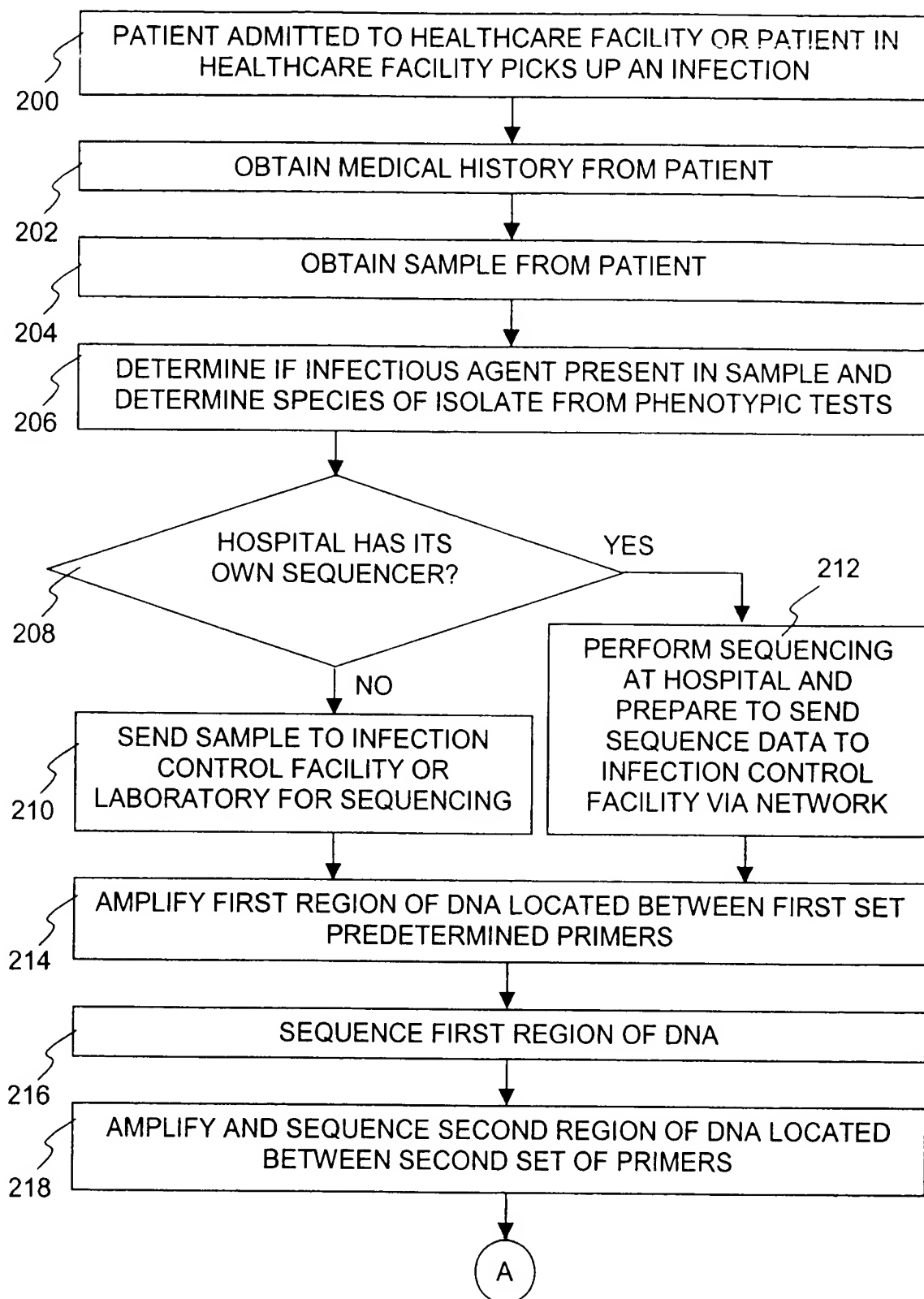


FIG. 2A

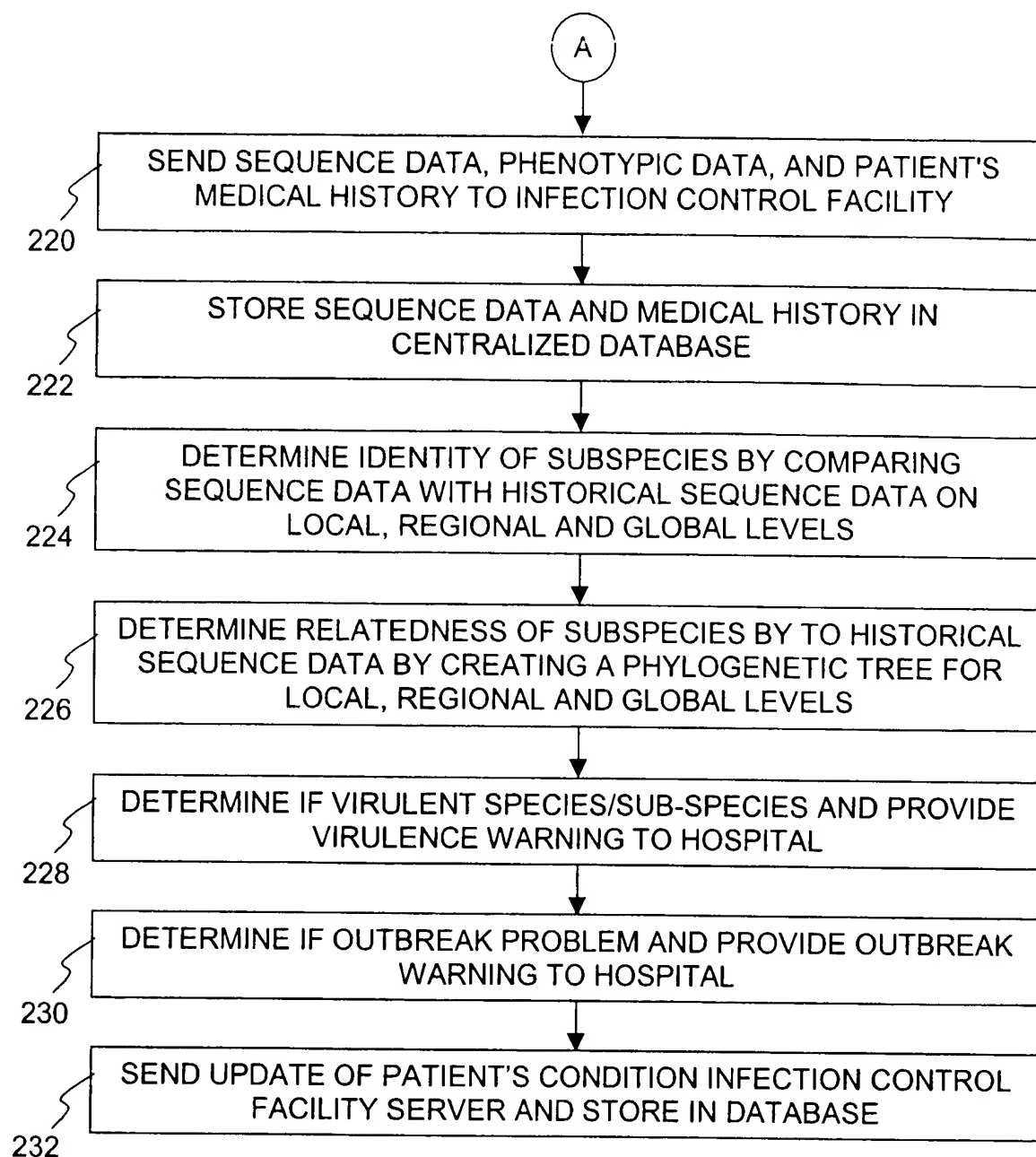


FIG. 2B

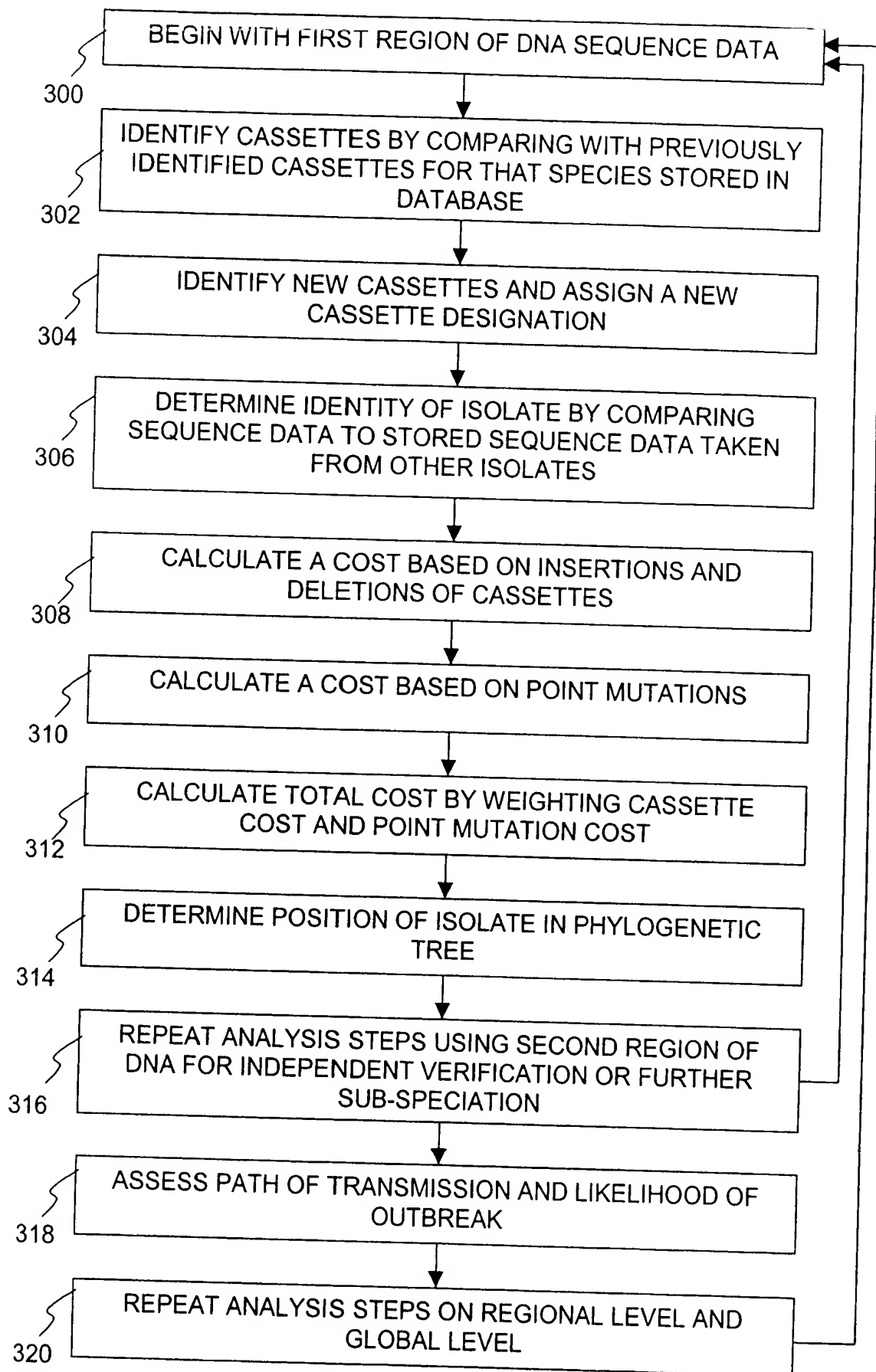


FIG. 3

400

T	GAGGAAGACAACAAAAACCTGGT
A	AAAGAAGACAACAAAAACCTGGC
B	AAAGAAGACAACAAAAACCTGGT
E	AAAGAAGACAACAACAAACCTGGT
G	AAAGAAGACAACAACAAGCCTGGT
D	AAAGAAGACAACAACAAACCTGGC
J	AAAGAAGACGGCAACAAACCTGGC
K	AAAGAAGACGGCAACAAACCTGGT
M	AAAGAAGACGGCAACAAGCCTGGT

FIG. 4A

404

GAGGAAGACAACAAAAACCTGGTAAAGAAGACGGCAACAAACCTGGCAAAGAA
 GACGGCAACAAGCCTGGTAAAGAAGACAACAACAAACCTGGTAAAGAAGACGGC
 AACAAGCCTGGTAAAGAAGACAACAACAAACCTGGCAAAGAAGACGGCAACAAG
 CCTGGTAAAGAAGACAACAAGCCTGGTAAAGAAGACGGCAACAAGCCTGGT
 AAAGAAGACGGCAACAAACCTGGT

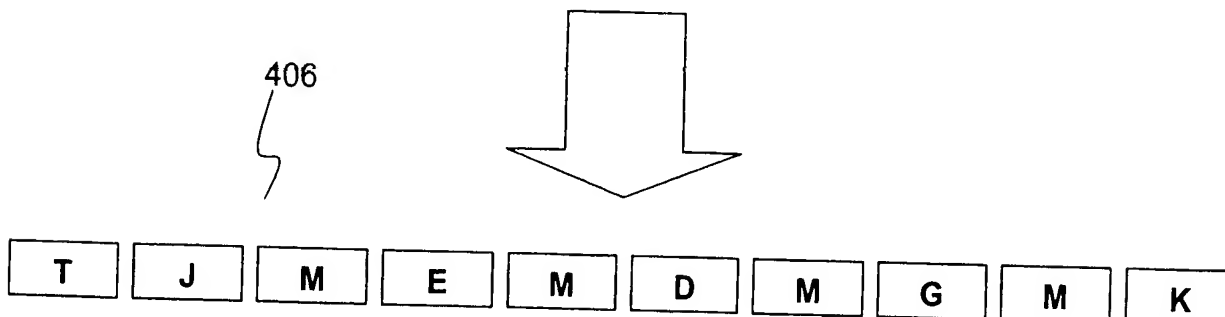


FIG. 4B

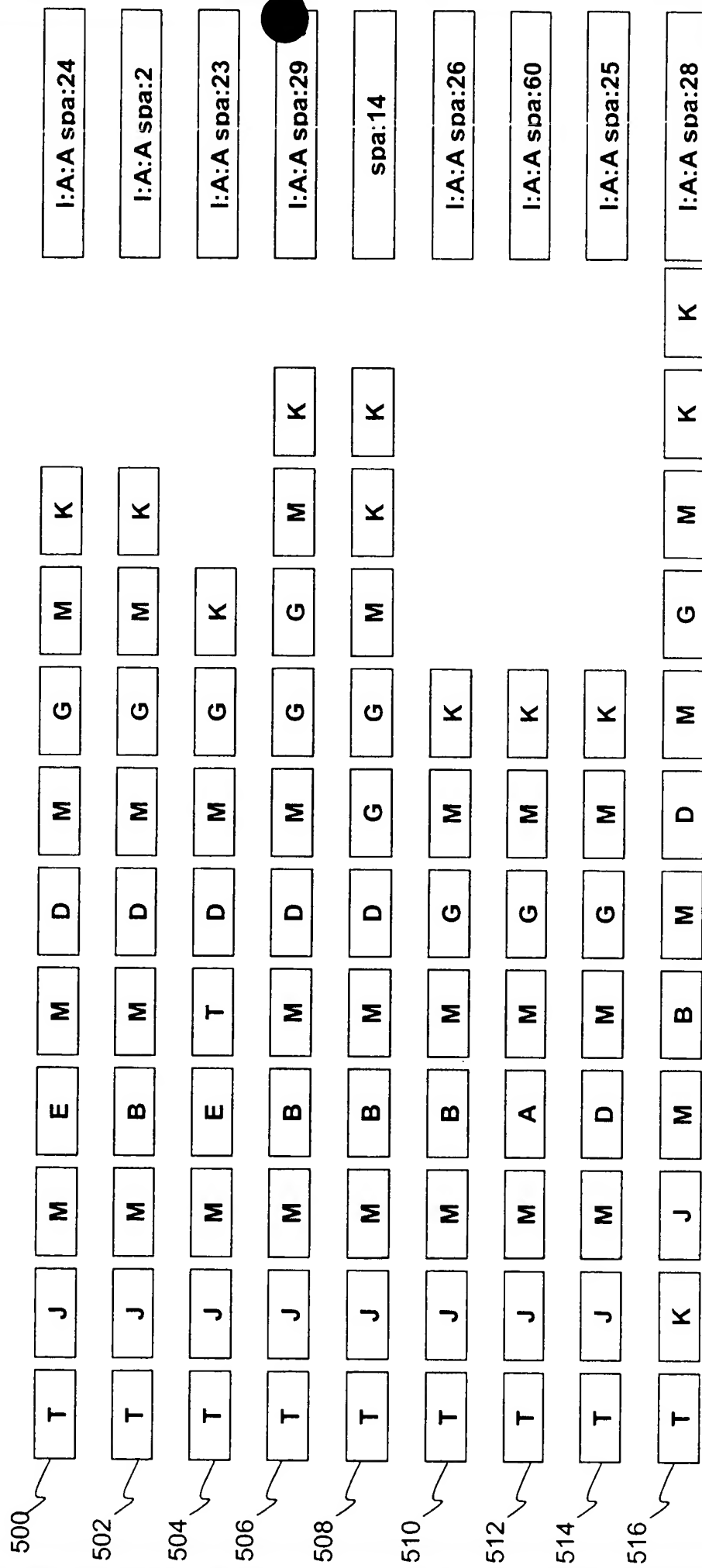


FIG. 5

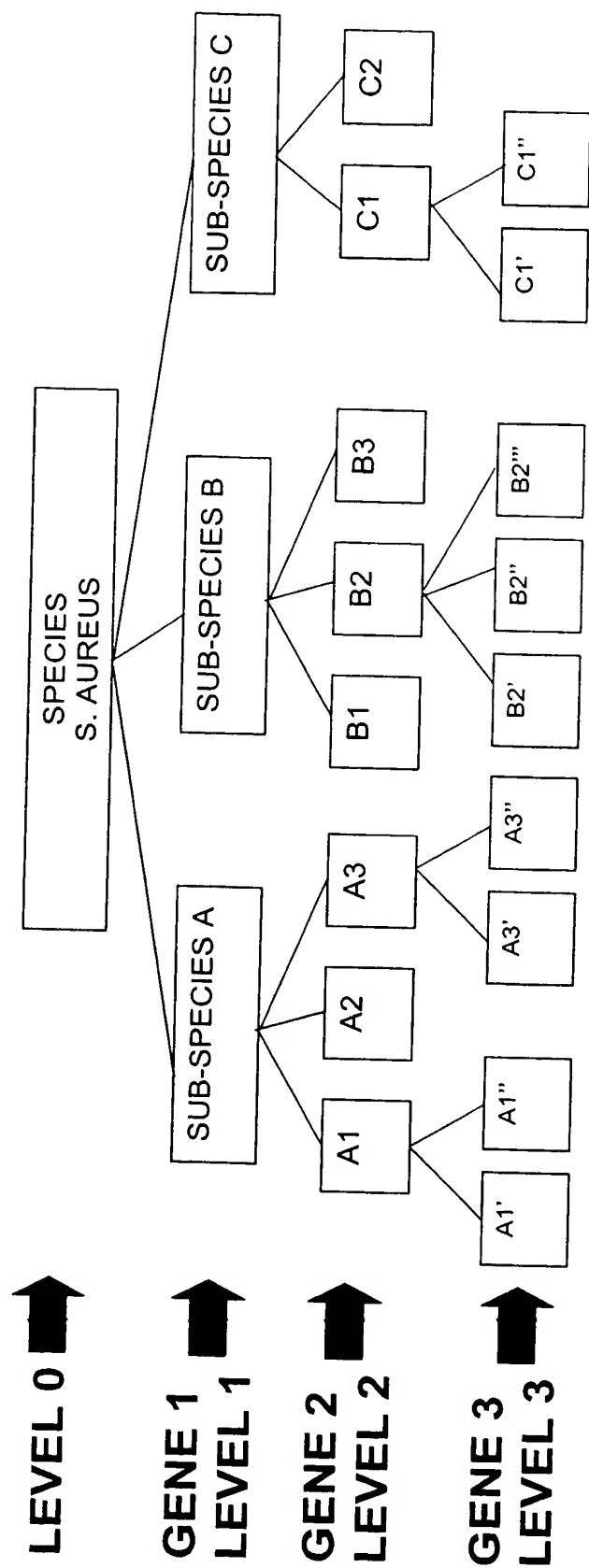


FIG. 6

SPECIES	S. aureus	S. aureus	
SUBSPECIES	A1'	B7"	
SEQ REGION 1	ATTCATAGAT...		
SEQ REGION 2	CGTACTATCC...		
SEQ REGION 3	ATTCGTTATA...		
REGION 1 PRIMERS			
REGION 2 PRIMERS			
REGION 3 PRIMERS			
REPEATS REGION 1	TKJMP..		
REPEATS REGION 2	ABABA		
REPEATS REGION 3	TYYT		
DATE	June 5, 2000		
PATIENT MEDICAL HISTORY	Hospitalized in New York Hospital, June 2000 for 3 weeks, heart surgery...		
PATIENT MEDICAL UPDATE INFO	Patient hospitalized 3 weeks for infection and released....	Patient died due to infection after two weeks...	
LOCATION	Mt. Sinai Hospital, Toronto, Burn Ward	New York City Hospital, ICU	
PHAGE TTYPE			

FIG. 7A

S. AUREUS			
SEQ REGION	REPEAT 1	REPEAT 2	REPEAT 3
PROTEIN A X _R	AATTCGCCTAGG.. ..	AATTCCCCTAGG..	TAGGCCGT...
REGION 2	TTAAAGGCCTGA.. .	GGTTCCAATAAT..	GGTTAACC..
REGION 3			

FIG. 7B

TTTTTCTTGGCAATTTTGGTCGTATTATCCGCTTTTTTGACTGTTCTCTGACGATTCTTGATTGTCTGTATCTGTTT
AGTTGCTTGGTTTTCTGCTACTGATTCCTTTGTGTTGACTAGCCTTGCCAGAGCGCTTTGAATTACTTTGAGCGTCA
TAGGATCTTGATTAGACTCTACCGCG [REDACTED] GAATTCTGGCCTTTGCTTTGGCT [REDACTED] GTG [REDACTED]
[REDACTED] GTA [REDACTED] GTA [REDACTED] GTA [REDACTED] GTA [REDACTED]
[REDACTED] GTG [REDACTED] GTG [REDACTED] GTG [REDACTED] GTG [REDACTED]
[REDACTED] GTG [REDACTED] GTG [REDACTED] GTG [REDACTED] GTG [REDACTED]
[REDACTED] GTA [REDACTED] GTG [REDACTED] GTG [REDACTED] GTG [REDACTED]
[REDACTED] GTG [REDACTED] GTG [REDACTED] GTG [REDACTED] GTG [REDACTED]
[REDACTED] CGCCGTTTTTATGGTTTGTG [REDACTED] TTAATACGCTTTTGTGCA
TCTGCAGGCGTTTTAAAGCCACCAAGTGTGGCTCTAATAATTCTTCATCTGACCAAGCAAGCAGTTGTTGTAAGT
CTTAGAGCTTCCTTCGCCAGTTGTTGTATCTATTAAGGCTTCTTGCATGGCTTGCCAAGAGTCTTTGGT

Fig. 8A

SEQ ID NO 38

GTG	SEQ ID NO 24
GTA	SEQ ID NO 25
GTA	SEQ ID NO 26
GTA	SEQ ID NO 27
GTG	SEQ ID NO 28
GTG	SEQ ID NO 29
GTG	SEQ ID NO 30
GTG	SEQ ID NO 31
GTG	SEQ ID NO 32
GTA	
GTG	SEQ ID NO 33
GTA	SEQ ID NO 34
GTA	SEQ ID NO 35
GTG	SEQ ID NO 36

SEQ ID NO. 23

Fig. 8B

MTEFWPLLWLLSFT					
VLGVLLSLVLLVALV	SEQ	ID	NO	39	
VLEALLSLVLLVLLV	SEQ	ID	NO	40	
VLGVLLSFVLLVSLV	SEQ	ID	NO	41	
VLEVLLSLVLLVSLV	SEQ	ID	NO	42	
VLGVLLSLVLLVSLV	SEQ	ID	NO	43	
VLGVLLSLVLLVSLV					
VLEVLLSLVLLLSLV	SEQ	ID	NO	44	
VLGVLLSLVLLLSLV	SEQ	ID	NO	45	
VLGVLLSLVLLVSLV					
VLGVLLSFVLLVSLV					
VLEVLLSLVLLVLLV	SEQ	ID	NO	46	
VLGVLLSFVLLVSLV	SEQ	ID	NO	47	
VLEVLLSLVLLVSLV					
VLEVLLSLVLLVVSV	SEQ	ID	NO	48	
DFSTNRSNAVEMVCVN					

Fig. 8C

[illegible]

Fig. 9A

SEQ ID NO 52

GATGTTGGTCTGAGGACGATGAG SEQ ID NO 50
GATGTTGGTCTGAGGACGATGAG
GATGTTGGTCTGAGGACGATGAG
GATGTTGGTCTGAGGACGATGAG
GATGTTGGTCTGAGGACGATGAG
GATGTTGGTCTGAGGACGATGAG
GATGTTGGTCTGAGGACGATGAG

SEO ID NO 59

Fig. 9B

SEQ ID NO 53

Fig. 9C

PEPSDPKPEPTPD

PEPSPDPEPEPSPD

PDP

[illegible]

Fig. 10D

SEQ ID NO 76

AATAATGAGAATGTTGTACGTTATGGTGGTGGAAGTGCTGATGGTGATTTCAGCAGTAAGTCCGAAAGACCC
GATTTCGGATTTCAGACAGTGAAGTCTCAGACAGCGACTCAGGT
TCAGATAGCGACTCAGAATCAGATAGCGATTTCGGATTTCAGACAGTGAAGTCTCAGACAGCGACTCAGAATCAGA
TAGCGATTTCAGAATCAGATAGCGACTCAGATTTCAGATAGCGATTTCAGATTTCAGATAGCGATTTCAGATTTCAGATAGCG
ATTTCGGATTTCAGACAGTGAAGTCTCAGACAGCGACTCAGAATCAGATAGCGACTCAGAATCAGATAGTGAAGTCA
GATTTCAGACAGTGAAGTCTCGGACTCAGACAGTGAAGTCTCAGACTCAGATAGCGATTTCAGACTCAGATAGCGATTTCAGATTTC
AGACAGCGACTCAGATTTCAGACAGCGACTCAGACTCAGATAGCGACTCAGACTCAGACAGCGACTCAGATTTCAGATA
GCGATTTCAGACTCAGACAGCGACTCAGACTCAGACAGCGACTCAGACTCAGATAGCGACTCAGATTTCAGATAGCGATTTCAGACTCAGACAGCG
GACTCAGATTTCAGATAGCGATTTCGGACTCAGACAGCGATTTCAGATTTCAGACAGCGACTCAGA
CTCGGATAGCGATTTCAGATTTCAGATAGCGATTTCGGATTTCAGACAGTGAAGTCTCAGATTTCAGACAGCGACTCAGACTCGG
ATAGCGACTCAGACTCAGACAGCGATTTCAGACTCAGATAGCGACTCAGACTCGGATAGCGACTCGGATTTCAGATAGC
GACTCAGACTCAGATAGTGAAGTCTCCGATTCAAGAGTTACACCACCAATAATGAACAGAAAGCACCATCAAATCCTAA
AGGTGAAGTAAACCATTCTAATAAGGTATCAAAACAACACAAAAGTATGCTTTACCA

Fig. 10A

SEQ ID NO 77

SEO ID NO 54

[illegible]

GCACCATCAAATCCTAAACCTC

Fig. 10B

1-2-3-4-1-5-4-6-7-8-8-1-5-4-9-10-11-12-12-5-13-14-15-7-16-15-14-7-16-7-17 5 18 3 1-5-16-15-12-18-19-20-21

TCAGCAGTAAATCCGAAAGACCCAACTCCAGGGCCGCCGGTTGAC

SEQ ID NO 79

SEQ ID NO 80

Repeat pattern isolate 2:

1-2-3-4-1-5-4-6-7-8-6-1-5-4-9-10-11-12-12-16-5-22-14-15-7-16-15-14-16-7-17-5-18-5-18-23-21

Fig. 10F